PRODUCT SPECIFICATION

NYLAKRIMP RINGS

1.0 SCOPE

A. THIS PRODUCT SPECIFICATION COVERS THE NYLAKRIMP RINGS WITH NYLON INSULATION AND TIN PLATING FOR 8 AWG TO 4/0 AWG WIRE.

2.0 PRODUCT DESCRIPTION

2.1 INSULATED RING TERMINALS

A. 19067 NYLAKRIMP BRAZED RINGS 8 – 4/0 AWG

2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

A. THE DIMENSIONAL CHARACTERISTICS ARE IDENTIFIED ON THE SALES DRAWINGS.

B. MATERIALS:

I. BASE MATERIAL IS C11000 COPPER IN VARIOUS THICKNESSES.

II. PLATING IS MATTE TIN .000100(0.00254) MINIMUM THICKNESS.

III. INSULATION MATERIAL IS NYLON IN VARIOUS COLORS.

2.3 SAFETY AGENCY APPROVALS

A. 8 AWG THROUGH 4/0 AWG PARTS ARE UL LISTED E32244 CATEGORY ZMVV

B. 8 AWG THROUGH 1/0 AWG PARTS ARE CSA CERTIFIED LR18689 CLASS 6223-02

C. ALL PARTS ARE ROHS COMPLIANT

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

A. UL LISTED TO STANDARD 486A & B

B. CSA CERTIFIED TO STANDARD C22.2 NO 65

4.0 RATINGS

4.1 VOLTAGE

A. ALL UL/CSA LISTED PARTS UNDER THIS SPEC ARE RATED AT 600VAC.

4.2 CURRENT

A. THE AMPERAGE RATING IS BASED ON THE WIRE AWG APPLIED TO THE TERMINALS PER UL 486 A & B SHOWN BELOW.

WIRE AWG	MAX AMPERE RATING
8	50
6	65
4	85
2	115
1	130
1/0	150
2/0	175
3/0	200
4/0	230

4.3 TEMPERATURE

A. OPERATING - 105°C (221°F)

4.4 FLAMMABILITY

A. ALL PARTS UNDER THIS SPECIFICATION HAVE NYLON INSULATION WITH UL FLAMMABILITY RATING OF 94V-2.

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Temperature Rise as a result of Current Cycling*	The Test Specimens shall complete 500 cycles of equal current on and off (1 hr ea.) at the current levels noted in Table 7 for 75C*.	Temperature Rise must not exceed 125C over Ambient
2	Static Heating Sequence - Static Heating*	The Test Samples must carry continuous current as noted in Table 7* until stabilization.	Temperature Rise must not exceed 50C over Ambient
3	Static Heating Sequence - Secureness*	The Test Samples, with correct conductor length, are fastened thru a bushing, at the height indicated and with a mass suspended from the free end per Table 26*.	The Test Samples must be intact at the transition area after 30 minutes.
4	Static Heating Sequence – Pullout*	The Test Samples from Secureness Test are subjected to a Direct Axial Pull with a Force Applied per Table 27*	The Test Samples must withstand Table 27* Force applied for 1 minute

5.2 MECHANICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
5	Wire Pullout Force* (Axial)	Test Samples Crimped to Min/Max wire awg are subjected to an axial pullout force on the wire at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	The Test Samples must withstand Table 27* Force applied for 1 minute

* See UL Standard 486A & B for Test Descriptions and Table information

6.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage.